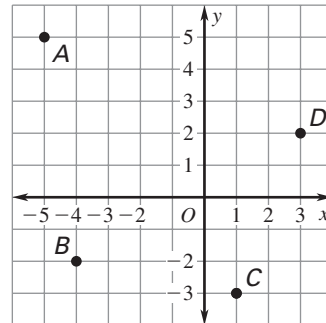


Practice

For use with pages 476–481

Find the distance between the points. Write your answer in simplest form.

1. A and B
2. B and C
3. C and D
4. D and A

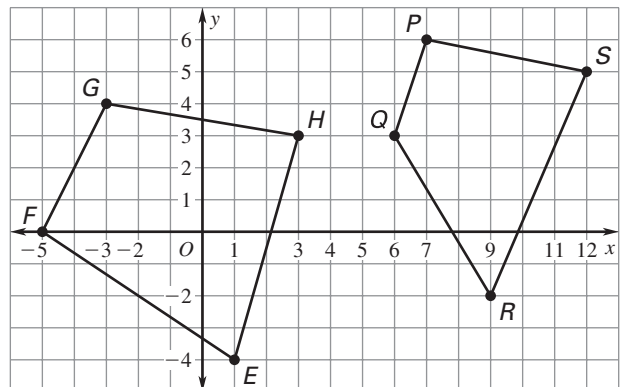


Find the distance between the points. Write your answer in simplest form.

5. $(-12, -8), (3, 11)$
6. $(0, 7), (-2, -1)$
7. $(1.5, -2), (-4, 6)$
8. $(4.9, -1), (7.4, -6)$
9. $(5.5, -3), (2.5, -7)$
10. $(4, -3.5), (-2, 8.5)$

Find the midpoint of the segment.

11. \overline{GH}
12. \overline{HE}
13. \overline{EF}
14. \overline{FG}



Find the slope of the line through the given points.

15. P and Q
16. Q and R
17. R and S
18. P and S

Practice

For use with pages 476–481

Find the midpoint of the segment with the given endpoints.

19. $(-9, -8), (1, 2)$

20. $(4, -5), (-2, 7)$

21. $(1.6, 0), (5.4, -3)$

22. $(-3.2, -1.2), (7.8, 6.8)$

23. $(-12, 5.4), (14, 3.6)$

24. $\left(15, -3\frac{1}{2}\right), (13, -1)$

Find the slope of the line through the given points.

25. $(8, -12), (10, -3)$

26. $(-9, 11), (7, -5)$

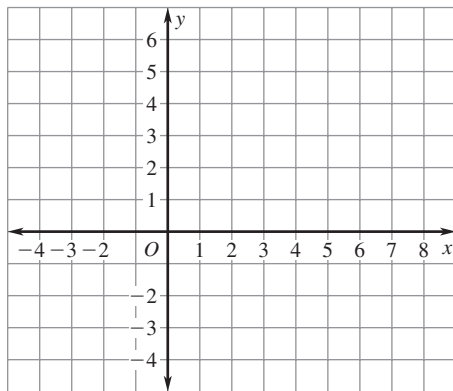
27. $(3.2, 7), (1.6, -9)$

28. $(6, -4.5), (1, -3.7)$

29. $\left(4\frac{3}{4}, -6\right), \left(1\frac{1}{4}, 5\right)$

30. $\left(12, \frac{9}{10}\right), \left(-11, \frac{3}{10}\right)$

- 31.**
- The points
- $P(-4, 6)$
- ,
- $Q(-4, -3)$
- , and
- $R(8, -3)$
- are the vertices of a right triangle in a coordinate plane.

a. Draw the triangle in a coordinate plane.**b.** Find the coordinates of the midpoint M of the hypotenuse of $\triangle PQR$.